



Gulf of Mexico Harmful Algal Bloom Bulletin

14 January 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 10, 2008

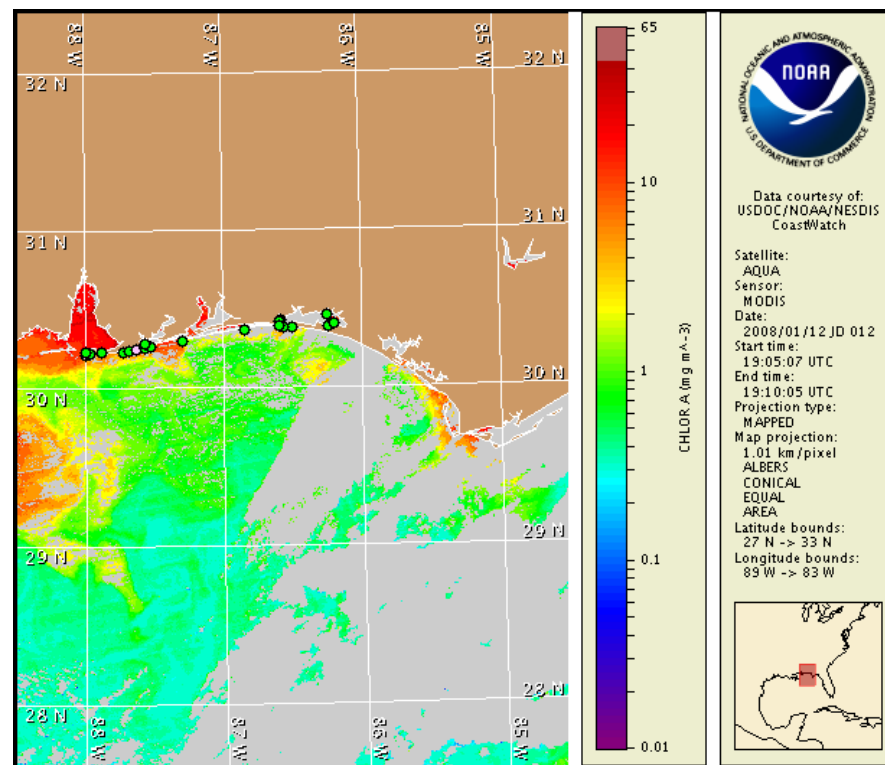
Conditions Report

There is no indication of a harmful algal bloom in northwest Florida and Alabama. No impacts are expected today through Wednesday, January 16.

Analysis

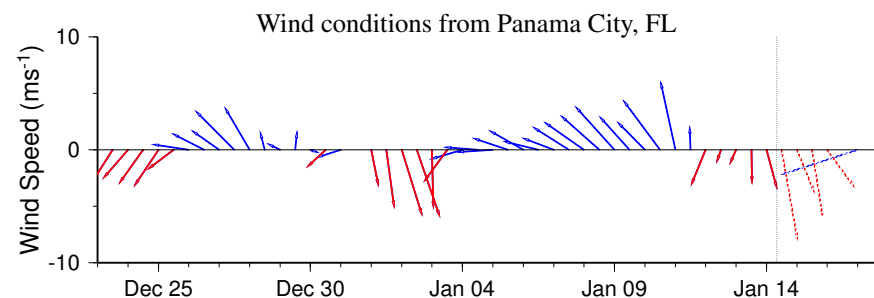
Samples received from Mobile and Baldwin County Alabama continue to indicate that *Karenia brevis* is either not present or at background concentrations (Alabama Department of Public Health; 1/1-9). Samples received last week from coastal Santa Rosa County, coastal and bay regions of Okaloosa County and bay regions of Walton County indicate that *K. brevis* is not present and that non-harmful algae is present at elevated concentrations (FWRI; 9/8). Please note that due to technical difficulties, SeaWiFS imagery is temporarily unavailable; MODIS imagery (1/12) is displayed on pages 1 and 2 of this bulletin. MODIS imagery indicates that chlorophyll levels have intensified onshore Baldwin County, Alabama and Escambia County, Florida since 1/9. Levels are currently greater than $7 \mu\text{g/L}$. Chlorophyll levels remain constant along the remainder of the Florida panhandle.

Urizar, Keller



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from January 4 to 11 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

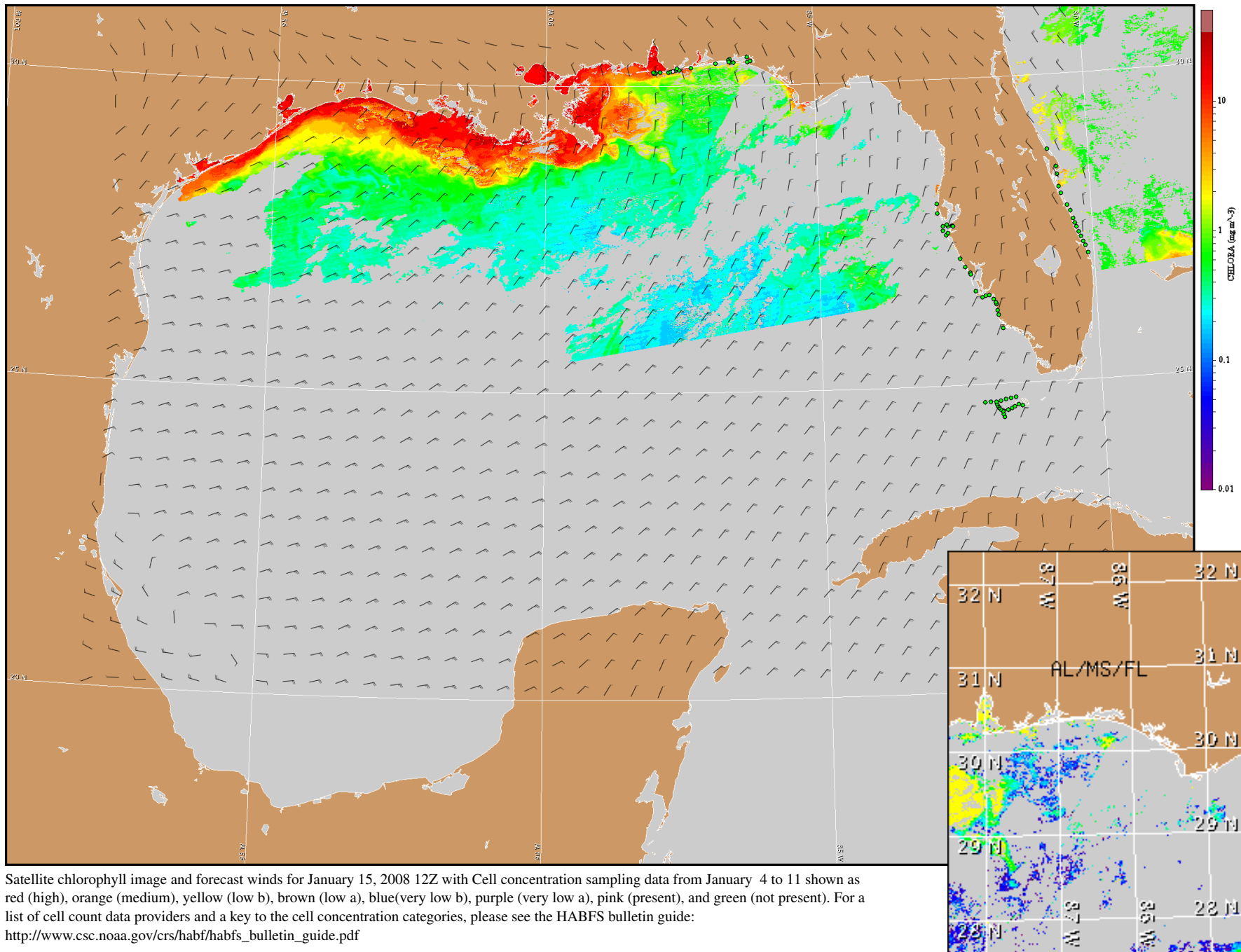


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

NW Florida: Northerly to northwesterly winds today (10-20 kt, 5-10 m/s). Northerly winds Tuesday (10-15 kt, 5-8 m/s). Northeasterly winds Tuesday night and Wednesday (10-25 kt, 5-13 m/s). Easterly winds Wednesday night (20-30 kt, 10-15 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Dauphin Island, AL

